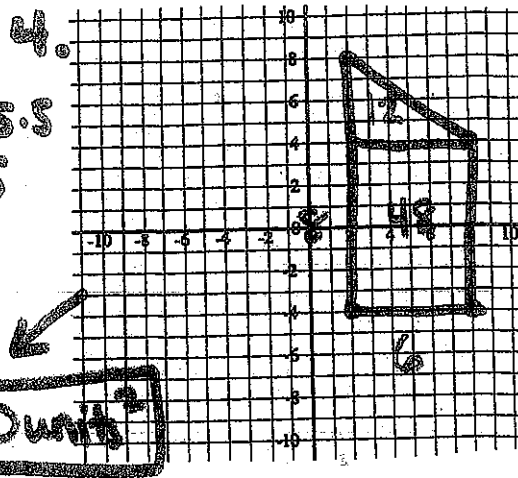
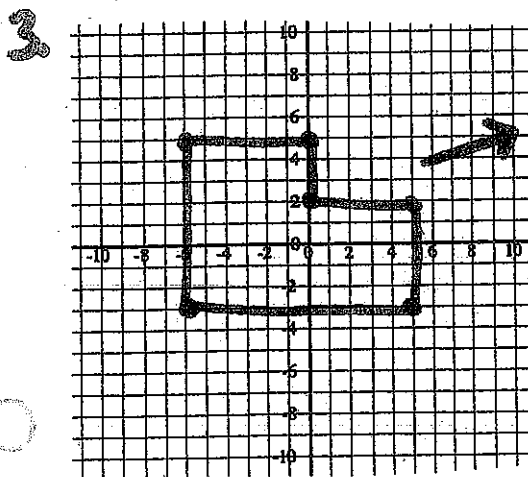
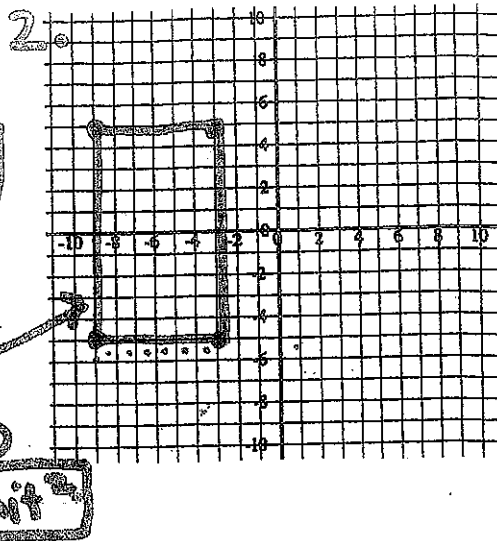
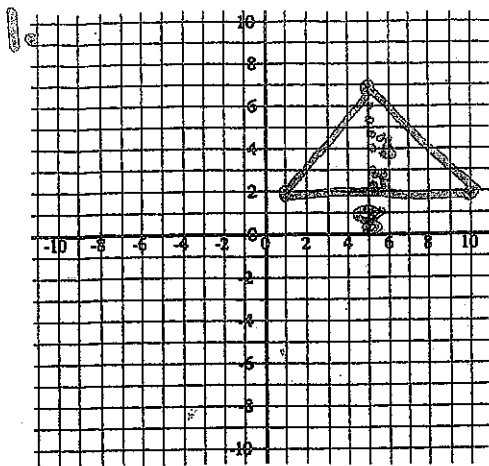


Coordinate Planes for Lesson 1 problems (questions 1 - 4)



5. $A = 6 \text{ m}^2$
 $P = 12 \text{ m}$

6. $P = 36 \text{ in}$
 $A = 50 + 10$
 60 in^2

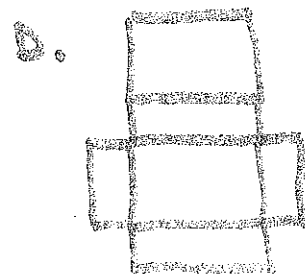
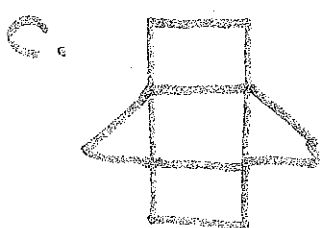
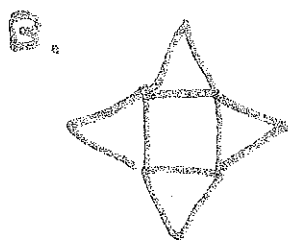
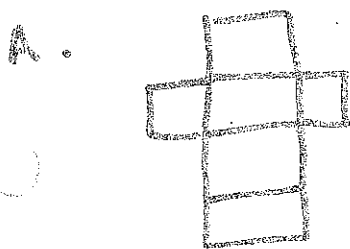
7. $A = 15 + 8 = 23 \text{ in}^2$
 $P = 24 \text{ in}$

8. $A = 50 \text{ in}^2$
 $P = 32 \text{ in}$

9. $A = 32 \text{ in}^2$
 $P = 24 \text{ in}$

10. $18 \text{ in}^2 = A$
 $P = 22 \text{ in}$

11. Other designs exist



12.  $\times 2 = 48$

$8 \times 12 = 96$

$6 \times 12 = 72$

$10 \times 12 = 120$

$SA = 336 \text{ in}^2$

$V = 24 \cdot 12 = 288 \text{ in}^3$

13. $4 \cdot 9 = 36$

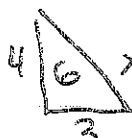
$9 \cdot 2 = 18$

$4 \cdot 2 = 8$

$62 \times 2 =$

$SA = 124 \text{ cm}^2$

$V = 4 \cdot 9 \cdot 2 = 72 \text{ cm}^3$

14.  $\times 2 = 12$

$3 \cdot 2 = 6$

$4 \cdot 2 = 8$

$5 \cdot 2 = 10$

$SA = 36 \text{ in}^2$

$V = \frac{4 \cdot 3 \cdot 2}{2}$

$= 12 \text{ in}^3$

5. SA $10 \times 100 \times 2 = 200$

$9 \times 90 \times 4 = 360$

560 in^2

$V = 9 \cdot 10 \cdot 10$

$= 900 \text{ in}^3$

16. $4\frac{1}{2}$ in length

A. $4\frac{1}{2} = 9$ cubes

B. # cubes? $= 9 \cdot 9 \cdot 9 = 729$ cubes

C. Volume in inches

$4\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2}$

$\frac{9}{2} \cdot \frac{9}{2} \cdot \frac{9}{2} = \frac{729}{8} = 91\frac{1}{8} \text{ in}^3$

17.

A. $1 \cdot 1 \cdot 1$ cubes would be

$10 \cdot 10 \cdot 10 = 1000 \text{ in}^3$

B. $\frac{1}{2}$ in cubes =

$5 \text{ in} \cdot 5 \text{ in} \cdot 5 \text{ in} = 125 \text{ in}^3$

C. $1\frac{1}{2}$ in cubes

~~$10 \cdot 10 \cdot 10 = 1000$~~

$10 \cdot 1\frac{1}{2} = 15 \text{ in}$

$15 \text{ in} \cdot 15 \text{ in} \cdot 15 \text{ in} =$

$225 \cdot 15 = 3,375 \text{ in}^3$